SEQUENCE LISTING

	<110>	KOREA CHUNGANG EDUCATIONAL FOUNDATION	
5	<120>	Plant seed-specific expression promoter derived from sesa seed-specific expression vector comprising the promoter	me and
	<130>	PX20859OV	
10	<150> <151>	KR 10-2002-0069589 2002-11-11	
	<160>	3	
15	<170>	KopatentIn 1.71	
20	<210> <211> <212> <213>	1 3102 DNA Sesamum indicum	
20	<220> <221> <222>	5'UTR (1)(1746)	
25	<220> <221> <222>	intron (149)(1722)	
30	<220> <221> <222>	3'UTR (2899)(3102)	
35	<400>	1 etc aaatatttea ecaceaceae caceagaaca tteagaaaca agaaataaac	60
		cac tataaaacag ttettgegaa agaaggaaag egetteegea gaagtgettt	120
	cacgcgat	itt eteetteeaa gtitteaggt aaegtgeeee ettitetett eteitetatt	180
40	ctcttttctc	c ataattcatg atcaatcttt gagtattttg gtgtttgtgt gtctcaagaa	240
	aaccgcat	tt ttattttett geaatggtgt etttatttee tgtegttttt tteagetatt	300
45	aatgttctt	t tgatgtagat gaggtttaat cgtatgttct tgagctgcat tacctgatga	360
	ttcatggal	tc tgaggaatgt atgcgatttt ttattittgt tttatttttt ggtgggcttt	420
50	cccaagaa	aga atctatttgg ggttattctt gtgtggtttg gtgcaaatct ttggatttta	480
	cgcagtat	tg gtgtctggac cacatgattg tgtcatttat atttggattt tgtctttatc	540

	titigiatgca tgtgggatgc aggaagaaaa aactgtggta aatgtctttg aagagattga	600
	tttagcatat atacaaggtt gcctgggctt cagttttgat gattttgatg tacattgtgg	660
5	agatttgatg ggttgcatgt ggctcaaatc ttcttgtaag atttgttttt tgtccaaaaa	720
	atttgggatt tttccacttt tattgaacag tagatetttt cetgtttcaa cecaaaagtt	780
10	atttcggttt gaagttttac atcatagata taattagtaa taaatttcgg ttaggtccgt	840
10	aaagaatcat taattacatc aattaatatt gtttaatgta caaaaagagg gaatttatgg	900
	tgatatctat gaagccatgc tatgcctggc tggaattccg tcgatgaaaa agacagattc	960
15	cggtgtgtgg tagatttcac tgttagtgaa taccccactt caaagaacgg tgctgattca	1020
	actgetetag teeteaggat tttagtaeta ettgtttget gtttggaaca eatggetgaa	1080
20	aataaatgtc tgcttttcga ccttggcgct tagagaattt actaccacat ctcattttta	1140
20	gcatcccaac gatgatttct gctgtcagaa tgaatgaatt gactaagagc aactcggtta	1200
	tttgagattg aattggttgt ttgtgattgt tgttgatttg tttttgtcgt tatgatcttt	1260
25	tgaggtattc gccatacaat gctgatacta gtcgttgtga ttttccggta tatgtatttg	1320
	tgacgtatcg ttctgtagtt tggtaactaa tagaatgcat gtggtggtaa ctaatagaat	1380
30	gcatgttgta gtaacaaatg cacattgtag attctcgtgg atttttcggg tgttcgttac	1440
	cagcacattg ccgattctgg tatgattttt gtcgtgttca ttgtttagtt gcctttcttg	1500
	gctgccacta tttcattgag aatgtaggac gttgttcgat gcaaaagaac ttttgccgac	1560
35	tagaatgcag gtggcaatct ggaatctcct attatgggag gaactactgt aattgggagg	1620
	ttttgattca gacaatctag taacagtcta gaagctactt tgcctttaaa tctcaatgac	1680
40	cttaaacgcc atgatggaga catttgaatc catgttttgc aggtaaattg ggggcggctt	1740
	gacaaaatgg gagccggagg acgcatgtct gatccaacaa cgaaagacga acaaaagaag	1800
	aaccccctcc aacgggtgcc ttacgcaaag cctccattca cactcggtga catcaagaag	1860
45	gccattccac cacactgctt cgagagatec gtcagecgtt cgttctccta tgtcgtttac	1920
	gatetegtea ttgtttteet tetetaetae attgegaett ettaetteea tetgetgeea	1980
50	tececatact getacetage ttggcccatt tactgggetg tacaaggetg egtttgcace	2040
	ggaatctggg tcattgccca tgaatgtggc caccatgcat tcagcgatta ccagtggctt	2100

	gacgacacag tiggcctcat cctgcactct gccctgctcg tgccctattt ctcatggaaa	2160			
	tacagccacc gccgccacca ctccaacact ggatcccttg agcgtgacga agtcttcgtc	2220			
5	ccaaagccaa aatccagagt ctcgtggtac tccaaatact tgaacaatcc acttggcaga	2280			
	gtcatcacac ttgtggttac tcttactctc ggttggcctc tatacttgct gtttaatgtc	2340			
10	tetggeagge ettacaaceg ttttgcatge caetttgace catatggtee aatatataat	2400			
10	gaccgtgaga gacttcaaat cttcatctcc gatgctggta taattgctgc tgtatgtgtg	2460			
	ctttatcgtg ttgctttggt caaagggttg gcttggctgg tatgtgttta tggggtaccg	2520			
15	ttactcattg tcaacggttt ccttgttttg atcacattcc ttcagcacac tcacccttcg	2580			
	ttgccgcact atgattette egagtgggac tggctaaggg gagetettge aactgtegae	264Ô			
20	agagattatg gggtgctaaa taaggtgttc cataacatca cagatacgca cgtgactcac	2700			
20	caccttttct caacgatgcc acattaccat gcaatggagg caactaaggc aatcaagccc	2760			
	atactgggcc agtattatca gtttgatgga accccgtttt acaaggcgat gtggagggag	2820			
25	gcaaaggaat gtctgtatgt cgagccagac gagagtactc cagacaaggg tgtattctgg	2880			
	tacaagaaca agttctgaag ccgaataaca tgtggttagt gaaaatggcg tcttcttatt	2940			
30	ttgtcctatg gagatggagg aacatcatca tgttttcttt ttcttcttat aagatgcgtc	3000			
	ctttgttagt gtattctctg catgtaataa aataaacttc tacccgaaac cttgtctgtg				
	ctggtcggat tctagttctg caataaattg tcaagtttag tg	3102			
35	<210> 2 <211> 383				
40	<212> PRT <213> Sesamum indicum				
	<400> 2 Met Gly Ala Gly Gly Arg Met Ser Asp Pro Thr Thr Lys Asp Glu Gln 1 5 10 15				
45	Lys Lys Asn Pro Leu Gln Arg Val Pro Tyr Ala Lys Pro Pro Phe Thr 20 25 30				
50	Leu Gly Asp Ile Lys Lys Ala Ile Pro Pro His Cys Phe Glu Arg Ser 35 40 45				
	Val Ser Arg Ser Phe Ser Tyr Val Val Tyr Asp Leu Val Ile Val Phe 50 55 60				

	Leu Leu 7 65	Tyr Tyr	Ile Ala 7 70	Γhr Ser	Tyr	Phe His 75		Leu Pro	Ser Pro 80
5	Tyr Cys 1	Гуг Leu	Ala Trp 85	Pro Ile	Tyr	Trp Ala 90	a Val C	Gln Gly (Cys Val 95
10	Cys Thr (Gly Ile T 100	rp Val I		lis Gl 105	u Cys (Gly His	His Ala	Phe
	Ser Asp 1	Tyr Gln ' 15	Trp Leu		sp Thi 20	r Val G	ly Leu	Ile Leu 125	His Ser
15	Ala Leu L 130	eu Val I	Pro Tyr	Phe Se 135	r Trp	Lys Ty	r Ser 140		Arg His
	His Ser A 145	sn Thr (Gly Ser 1 150		ı Arg		u Val I 55	Phe Val	Pro Lys 160
20	Pro Lys S		Val Ser ' 165	Тгр Ту	r Ser	Lys Ty 170	r Leu	Asn Asn	Pro Leu 175
25	Gly Arg V	al Ile Ti 180	hr Leu V	Val Val	Thr L 185	eu Thr	Leu C	ly Trp I 190	Pro Leu
	Tyr Leu I	eu Phe 95	Asn Val	Ser Gl 20		Pro T	yr Asn	Arg Pho 205	e Ala Cys
30	His Phe A	sp Pro	Tyr Gly	Pro Ile 215	Tyr	Asn Ası	220	Glu Arg	Leu Gln
	Ile Phe Ile 225	e Ser As	p Ala Gl 230	y Ile Il		Ala Val 235	Cys T	Val Leu	Tyr 240
35	Arg Val A		Val Lys (245	Gly Lei	ı Ala '	Trp Lei 250	u Val (Cys Val	Tyr Gly 255
40	Val Pro L	eu Leu 1 260	lle Val A	sn Gly	Phe I 265	Leu Val	Leu I	le Thr P 270	he Leu
	Gln His T	hr His F 275	ro Ser I	Leu Pro 280		Tyr Ası		Ser Glu 1 285	Ггр Азр
45	Trp Leu A 290	Arg Gly	Ala Leu	Ala Th 295	r Val	Asp Ar	g Asp 300		Val Leu
	Asn Lys V 305	Val Phe	His Asn 310		Asp	Thr His		Thr His 1	His Leu 320
50	Phe Ser 7	Thr Met	Pro His 325	Tyr Hi	s Ala	Met GI 330	u Ala ′	Thr Lys	Ala Ile 335

	Lys Pro Ile Leu Gly Gln Tyr Tyr Gln Phe Asp Gly Thr Pro Phe Tyr 340 345 350	
5	Lys Ala Met Trp Arg Glu Ala Lys Glu Cys Leu Tyr Val Glu Pro Asp 355 360 365	
	Glu Ser Thr Pro Asp Lys Gly Val Phe Trp Tyr Lys Asn Lys Phe 370 375 380	
10		
15	<210> 3 <211> 660 <212> DNA <213> Sesamum indicum	
20	<220> <221> promoter <222> (1)(660) <223> promoter of microsomal oleic acid desaturase coding gene	
25	<400> 3 catatgtgaa atgtaatgga aaatgcgaca agaattgcaa tagagaaaat ccaatttgca	60
	gagattacat gaaaagaatt tgtacaaata gcatatatat gttaaaatga aatgggacat	120
30	gccacattat gtggaataaa aaagacaatt tgcttggaat taattataga ataaatgtgt	180
	tacatttaat atgtgattaa tcactttttt tgaattgtac atctatcaca tgacaagttc	240
	attatatttg acatataatt tgtttatgtc tagtcaagcc taattaaatt tctcggaaag	300
35	cacaaaattt ttttgtccta accaggtttg aacaaccaaa caaatcacaa agcaggtgta	360
	tegeactige gatgigateg gleactitit ctaaattgta cateatteac aegacaactg	420
40	tattgtgctc caagttcaat tgagtgcggt tggagctata atttccttga acacacaatg	480
	tggaatgtgc acactccatg tgggccaatg agcggatgac acgtggcggg caacttacct	540
	cgttacgttg aggcatgcat gaaaggggga tctcttgagg tggaggggtg ggggcggggg	600
45	ttgggggggg gcccctcctc agacaggtct atatttatga gacctcgtaa ggcagaacgc	660
		660